Exhibit 300: Capital Asset Summary

Part I: Summary Information And Justification (All Capital Assets)

Section A: Overview & Summary Information

Date Investment First Submitted: 2010-09-17
Date of Last Change to Activities: 2012-08-19
Investment Auto Submission Date: 2012-02-29
Date of Last Investment Detail Update: 2012-02-24
Date of Last Exhibit 300A Update: 2012-08-19
Date of Last Revision: 2012-08-19

Agency: 024 - Department of Homeland Security **Bureau:** 65 - National Protection and Programs Directorate

Investment Part Code: 01

Investment Category: 00 - Agency Investments

1. Name of this Investment: NPPD - Critical Infrastructure Technology and Architecture (CITA)

2. Unique Investment Identifier (UII): 024-000009502

Section B: Investment Detail

1. **Provide a brief summary of the investment, including a brief description of the related benefit to the mission delivery and management support areas, and the primary beneficiary(ies) of the investment. Include an explanation of any dependencies between this investment and other investments.**

Infrastructure Protection's (IP) mission requires the use of information technology (IT) to collect, store, and manage data on the Nation's infrastructure. The CITA Program fills IP?s need for the consolidation of IT development, test, and maintenance activities to provide cost saving efficiencies, and fills the need for an established framework to manage the large repository (Integrated Data Warehouse) of collected infrastructure data to support IP?s mission areas. "The CITA Program is a mixed lifecycle investment, the nucleus of which is the IP Gateway (formerly the Linking Encrypted Network System). The IP Gateway is the external, single sign-on interface through which IP?s applications (IICS, PCIIMS) are integrated. The Infrastructure Information Collection System (IICS) allows users to access, search, retrieve, visualize, and analyze infrastructure data from multiple sources through the IP Gateway. The Protected Critical Infrastructure Information Management System (PCIIMS) receives, processes, and stores PCII protected data. Additionally, Web Emergency Operations Center (WebEOC), Automated Critical Asset Management System (ACAMS), and Technical Resource for Incident Prevention (TripWIRE) are applications that will be integrated into the IP Gateway. All of the applications listed above are in operations and maintenance (O&M), except for PCIIMS which is expected to go into O&M in Q1 FY12. Additional applications will be developed and added to the IP Gateway as new requirements are

identified and vetted."The Program benefits the IP mission by ensuring interoperability and improved access to IP IT applications, minimizing IT development costs, and providing improved data quality. To date, accomplishments include an assessment of the current IP IT systems inventory, establishment of an IP service-oriented architecture, and establishment of a Joint Technology Lab located at the DoD-sponsored Multi-Agency Collaboration Environment in order to facilitate the design, development, and testing of IP technical solutions. Primary beneficiaries include the Federal, State, and local government entities as well as the private sector that have a critical infrastructure protection mission.

2. **How does this investment close in part or in whole any identified performance gap in support of the mission delivery and management support areas? Include an assessment of the program impact if this investment isn't fully funded.**

The CITA Program will enable IP to close the following capability gaps: · Standardized data collected through data calls and assessment tools – CITA maintains several assessment applications which are a part of the IP Gateway. Any future applications which will need to be developed will utilize standard data structures to ensure data quality, and consistency with data which has already been collected. · Interoperable infrastructure protection tools for better planning and decision making – The IP Gateway is the system with which IP's applications are/will be interoperable. The interoperability will enable IP leadership and stakeholders to be able to better understand the Nation's infrastructure for decision making by ensuring the maximum amount of information is consolidated and shared from IP's applications. · Increased accessibility to IP applications that store infrastructure information and data – Interoperability of the IP Gateway with IP's applications will enable IP's stakeholders to have visibility into an increasing number of applications to meet their needs. · Increased infrastructure information sharing, utilizing DHS platforms where applicable – As more data is collected and integrated into the Infrastructure Data Warehouse, stakeholders will be able to search, visualize, analyze and retrieve information from the IICS thereby increasing infrastructure information sharing. Shortfalls in fiscal year funding will result in: · Potential that applications will be not be funded for O&M, resulting in the applications being shut down · Continued disparate, redundant IT applications which are not integrated or interoperable · Duplicative data collection efforts across IP due to segmented datasets and lack of data standards · Delay in system documentation for Enterprise Architecture and IT security Shortfalls in fiscal year funding will impact IP's applications: · IP Gateway – Inability to make applications interoperable with the IP Gateway for increased infrastructure information sharing, and decreased system redundancy · IICS – Decreased data storage for the Integrated Data Warehouse which will limit the amount of data that can be retrieved and analyzed through the IICS. Data analysis and visualization capabilities required by its stakeholders will not be enhanced · PCIIMS – Necessary enhancements will not be developed which will result in more manual processing and tracking of questions from stakeholders.

3. **Provide a list of this investment's accomplishments in the prior year (PY), including projects or useful components/project segments completed, new functionality added, or operational efficiency achieved.**

Prior year accomplishments include an assessment of the current IP IT systems inventory to formulate CITA's technical baseline, establishment of an IP service-oriented architecture, and the establishment of a Joint Technology Lab in order to facilitate the design,

development, testing, and evaluation of IP technical solutions. Additionally, in alignment with the previous OMB 300 Submission, CITA accomplished the following: · Implemented ACAMS version 3.1 · Enhanced /developed additional sector vulnerability assessment tools. · Developed WebEOC (IOC).

4. **Provide a list of planned accomplishments for current year (CY) and budget year (BY).**

The CITA Program has several milestones planned for FY12 and FY13. A significant focus of the CITA Program will be the continued integration of existing IT applications into the IP Gateway (which is also addressed in the Operational Data section of this OMB Exhibit 300 submission). Below is a listing of milestones which the CITA Program will accomplish: The following milestones focus on the IP Gateway: · Develop FY13 system integration implementation plan for the IP Gateway. · Finalize integration between the IP Gateway and ACAMS. · Perform a technical refresh of the IP Gateway production system and its associated applications The following milestones focus on the IICS: · Establish web services to exchange information between the Infrastructure Information Collection System (IICS) and ACAMS. · Establish web services to exchange information between the Infrastructure Information Collection System (IICS) and FY12 version of HSIP. · Perform a technical refresh of the Infrastructure Information Collection System (IICS) production system. The following milestones focus on PCIIMS: · Release of version 2.0 of Protected Critical Infrastructure Information Management System (PCIIMS). · Perform a technical refresh of the Protected Critical Infrastructure Information Management System (PCIIMS) FOC production system. The following milestones focus on additional IP applications: · Perform a technical refresh of IP Share production application. · Perform a technical refresh of the Automated Critical Asset Management System (ACAMS) production system. · Perform a technical refresh of the Technical Resource for Incident Prevention (TRIPwire) production system. · Perform a technical refresh of the Web Emergency Operations Center production system (WebEOC). Additional details for these milestones can be found in the Project Execution section of this OMB Exhibit 300 submission.

5. **Provide the date of the Charter establishing the required Integrated Program Team (IPT) for this investment. An IPT must always include, but is not limited to: a qualified fully-dedicated IT program manager, a contract specialist, an information technology specialist, a security specialist and a business process owner before OMB will approve this program investment budget. IT Program Manager, Business Process Owner and Contract Specialist must be Government Employees.**

2011-06-13

Section C: Summary of Funding (Budget Authority for Capital Assets)

1.

Table I.C.1 Summary of Funding

	PY-1 & Prior	PY 2011	CY 2012	BY 2013
Planning Costs:	$18.8	$0.7	$0.3	$2.4
DME (Excluding Planning) Costs:	$49.6	$7.4	$7.3	$0.3
DME (Including Planning) Govt. FTEs:	$6.4	$1.7	$5.5	$5.5
Sub-Total DME (Including Govt. FTE):	$74.8	$9.8	$13.1	$8.2
O & M Costs:	$51.8	$12.2	$3.4	$10.1
O & M Govt. FTEs:	$5.3	$2.6	$0.6	$0.6
Sub-Total O & M Costs (Including Govt. FTE):	$57.1	$14.8	$4.0	$10.7
Total Cost (Including Govt. FTE):	$131.9	$24.6	$17.1	$18.9
Total Govt. FTE costs:	$11.7	$4.3	$6.1	$6.1
# of FTE rep by costs:	81	33	41	41
Total change from prior year final President's Budget ($)		$0.0	$-7.1	
Total change from prior year final President's Budget (%)		0.00%	-29.00%	

2. If the funding levels have changed from the FY 2012 President's Budget request for PY or CY, briefly explain those changes:

The initial FY2012 budget for CITA Program ($24.140M) was the aggregation the funds for the systems and applications being consolidated under the program. Subsequently, a Life Cycle Cost Estimate (LCCE) Rough Order of Magnitude (ROM) was prepared to more accurately reflect program costs. The ROM estimate for FY2012 was $17.152M and is the basis for the change in prior year funding. Once the LCCE is completed in Q2 FY2012, we expect more refined cost data to be available in FYHSP.

Section D: Acquisition/Contract Strategy (All Capital Assets)

Table I.D.1 Contracts and Acquisition Strategy

Contract Type	EVM Required	Contracting Agency ID	Procurement Instrument Identifier (PIID)	Indefinite Delivery Vehicle (IDV) Reference ID	IDV Agency ID	Solicitation ID	Ultimate Contract Value ($M)	Type	PBSA ?	Effective Date	Actual or Expected End Date
Awarded	7001	HSHQDC08J00071	HSHQDC06D00050	7001							
Awarded	7001	HSHQDC08J00179	HSHQDC06D00046	7001							
Awarded	7001	HSHQDC07J00515	HSHQDC06D00032	7001							

2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:
CITA represents the integration of portions of previously existing investments (IICP and PCIIMS) and therefore contains previously awarded contracts where EVM was not a requirement. Currently, COTRs are required to collect cost, schedule and performance information on contracts continuously and report this information to the PM on a monthly basis. In this review, concerns, challenges, risks, issues and mitigation steps are addressed for any variance in contract numbers. Additionally, this information is provided to the Assistant Secretary for Infrastructure Protection every month in a Program Management review. Earned Value Management is not applicable for Inter Agency Agreements (IAA). It is only required under FAR 34.201 for development contracts undertaken to support major acquisitions that procure contractual services. Future contracts up for renewal will utilize EVM as applicable. When required, the EVM report will be required provided monthly to the COTR. The PM will continue to be responsible for the oversight of all contracts, and will continue to hold monthly meetings with the COTRs to review project performance.

Exhibit 300B: Performance Measurement Report

Section A: General Information

Date of Last Change to Activities: 2012-08-19

Section B: Project Execution Data

Table II.B.1 Projects

Project ID	Project Name	Project Description	Project Start Date	Project Completion Date	Project Lifecycle Cost ($M)
1	Protected Critical Infrastructure Information Management System (PCIIMS): Development, Modification, & Enhancement	System used by the PCII Program, PCII authorized users, and PCII Officers to assist in the management of the PCII user community. DME will lead to the release of version 2.0 of PCIIMS.			
2	Protected Critical Infrastructure Information Management System (PCIIMS): Maintenance	Maintenance of PCIIMS will consist of software and security patch upgrades giving users the latest features available.			
3	Infrastructure Protection (IP) Gateway: Development, Modification, & Enhancement	Single Sign on access site for all IP applications. DME of the IP Gateway will allow CITA to meet with stakeholders of non-implemented applications, and develop a plan for future integration.			
4	Infrastructure Protection (IP) Gateway: Maintenance	Single Sign on access site for all IP applications. Maintenance on the IP Gateway will consist of software and security patch upgrades giving users the latest features available.			
5	Infrastructure Information	The IICS is the IP Gateway's			

Table II.B.1 Projects

Project ID	Project Name	Project Description	Project Start Date	Project Completion Date	Project Lifecycle Cost ($M)
	Collection System (IICS): Development, Modification, & Enhancement	primary information system for providing users with the ability to easily access, search, retrieve, visualize, analyze, and export infrastructure data from multiple sources through a single interface. DME of the IICS will allow for the establishment of web services to exchange information between the IICS and ACAMS.			
6	Infrastructure Information Collection System (IICS): Maintenance	The IICS is the IP Gateway's primary information system for providing users with the ability to easily access, search, retrieve, visualize, analyze, and export infrastructure data from multiple sources through a single interface. Maintenance of the IICS will allow for the installation of software and security patches which will give users of the IICS the latest features available.			
7	Infrastructure Protection (IP) Share: Maintenance	Application used by Infrastructure Protection (IP) as the data/document sharing and management portal. Maintenance of IP Share will consist of software and security patches on the IP Share which will give users the latest features available.			
8	Automated Critical Asset Management System (ACAMS): Maintenance	ACAMS is an Information services system used by a wide variety of organizations for building, implementing, and operating critical infrastructure protection programs at the State and local level. Maintenance of ACAMS will consist of software and security patches giving ACAMS users the latest features			

Table II.B.1 Projects

Project ID	Project Name	Project Description	Project Start Date	Project Completion Date	Project Lifecycle Cost ($M)
		available.			
9	Technical Resource for Incident Prevention Wire (TRIPWire): Maintenance	Information sharing application utilized by Federal, State, and local stakeholders to increase their capability to combat terrorist use of improvised explosive devices. Maintenance of TRIPWire will consist of software and security patches giving TRIPWire users the latest features available.			
10	Web Emergency Operations Center (WebEOC): Maintenance	Application used to track Requests for Information (RFIs) for the Office of Infrastructure Protection, and assists with IP's management of major critical infrastructure incidents. Maintenance of WebEOC will consist of software and security patches giving WebEOC users the latest features available.			

Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities ($M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance ($M)	Cost Variance (%)	Total Planned Cost ($M)	Count of Activities
1	Protected Critical Infrastructure Information Management System (PCIIMS): Development, Modification, & Enhancement							
2	Protected Critical Infrastructure Information Management System							

Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities ($M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance ($M)	Cost Variance (%)	Total Planned Cost ($M)	Count of Activities
	(PCIIMS): Maintenance							
3	Infrastructure Protection (IP) Gateway: Development, Modification, & Enhancement							
4	Infrastructure Protection (IP) Gateway: Maintenance							
5	Infrastructure Information Collection System (IICS): Development, Modification, & Enhancement							
6	Infrastructure Information Collection System (IICS): Maintenance							
7	Infrastructure Protection (IP) Share: Maintenance							
8	Automated Critical Asset Management System (ACAMS): Maintenance							
9	Technical Resource for Incident Prevention Wire (TRIPWire): Maintenance							
10	Web Emergency Operations Center (WebEOC): Maintenance							

Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities ($M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance ($M)	Cost Variance (%)	Total Planned Cost ($M)	Count of Activities

Key Deliverables

Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days)	Schedule Variance (%)

NONE

Section C: Operational Data

Table II.C.1 Performance Metrics

Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
User Req's: % of IP Application Sponsor's approved functional IT requirements met thru CITA tech. svcs. Expressed as %: amount of approved & implemented functional IT requirements submitted by IP App. Sponsors, divided by total amount of approved functional IT requirements.	Percent	Technology - Effectiveness	Over target	95.000000	0.000000	0.000000	95.000000	Semi-Annual
Availability: % of hours the production (O&M) systems are available per month, with the exception of planned downtime. Expressed as %: amount of hours per month the production system is operationally available for use, not including any planned downtime for maintenance, divided by total amount of hours in a month.	Percent	Technology - Reliability and Availability	Over target	98.000000	98.000000	98.500000	99.000000	Monthly

Table II.C.1 Performance Metrics								
Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
Information Security: % of IP systems in compliance with DHS information security standards for acquiring and maintaining an Authority to Operate (ATO). Expressed as %: amount of systems within the appropriate thresholds for compliance with FISMA Security Authorization (formerly Certification and Accreditation) documentation requirements, divided by total amount of systems that should meet those thresholds.	Percent	Mission and Business Results - Management of Government Resources	Over target	95.000000	0.000000	0.000000	95.000000	Monthly
Interoperability: % of IP systems in compliance with application sponsor interoperability requirements within agreed upon and designated timeframes. Expressed as %: amount of systems that are working	Percent	Technology - Efficiency	Over target	90.000000	0.000000	0.000000	91.000000	Quarterly

Table II.C.1 Performance Metrics

Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
towards interoperability and are on time, divided by the total number of systems that are working towards interoperability.								
Customer Results: % of Tier 1 helpdesk tickets per month that are closed within 8 business hours. Expressed as %: amount of Tier 1 helpdesk tickets per month that are closed within 8 business hours, divided by total amount of Tier 1 helpdesk tickets per month.	Percent	Customer Results - Timeliness and Responsiveness	Over target	93.000000	0.000000	0.000000	93.000000	Monthly
Integration: % of existing IP applications which have been integrated into the IP Gateway. Expressed as %: Total number of applications integrated into the IP Gateway, divided by the total number of non-regulatory IP applications.	Percent	Technology - Information and Data	Over target	80.000000	0.000000	0.000000	83.000000	Semi-Annual